

act_report

July 29, 2019

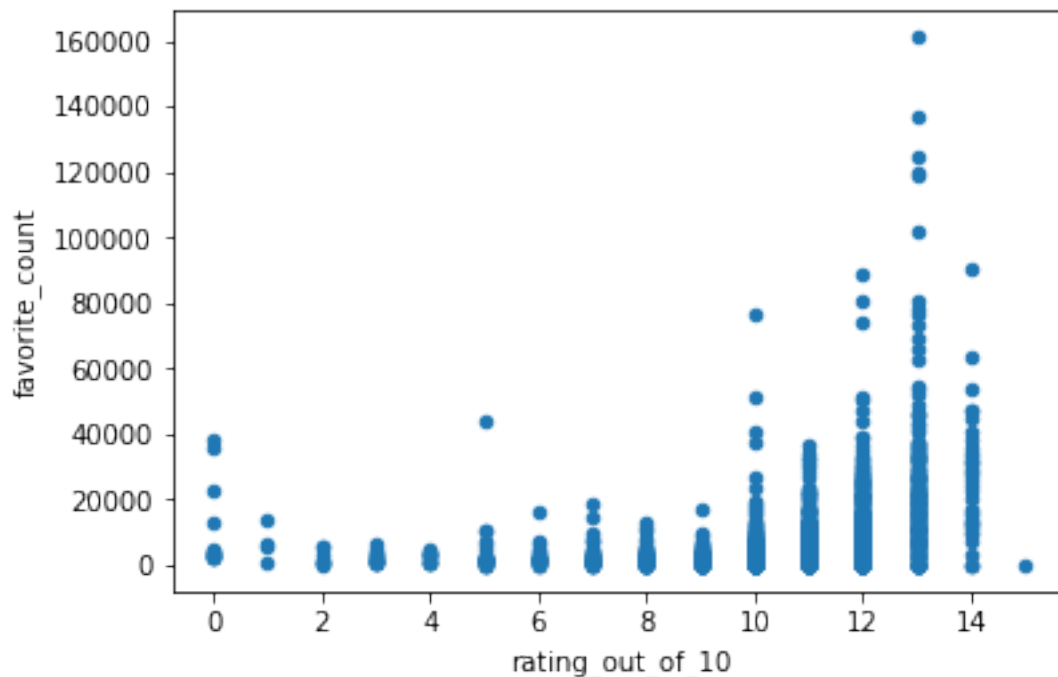
1 Are dog owners ojectives with their dogs?

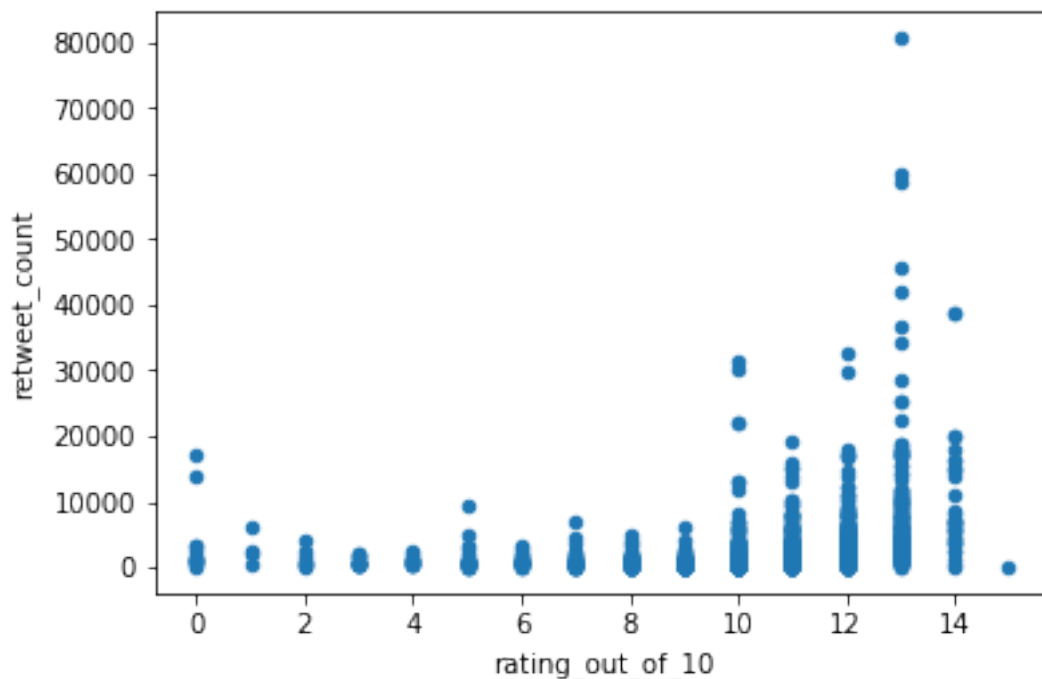
1.0.1 A quick assessment of their tweets.

By Diego ZUNIGA ORTIZ The question of the title might seem hard to answer but let's get an approach looking at the database collected through tweeter and the public opinion. We were provided with the tweets database of WeRateDogs where people were posting pictures about thir dogs and rating them with numbers out of 10. And after wrangling the database we wanted to check if the rating provided by the people twitting was actually supported by the community. So this is what we've got.

```
In [3]: import pandas as pd
        df = pd.read_csv('twitter_archive_master.csv')

In [5]: df_filtered = df.query('rating_out_of_10 < 20')
        df_filtered.plot(x='rating_out_of_10', y='favorite_count', kind='scatter')
        df_filtered.plot(x='rating_out_of_10', y='retweet_count', kind='scatter');
```





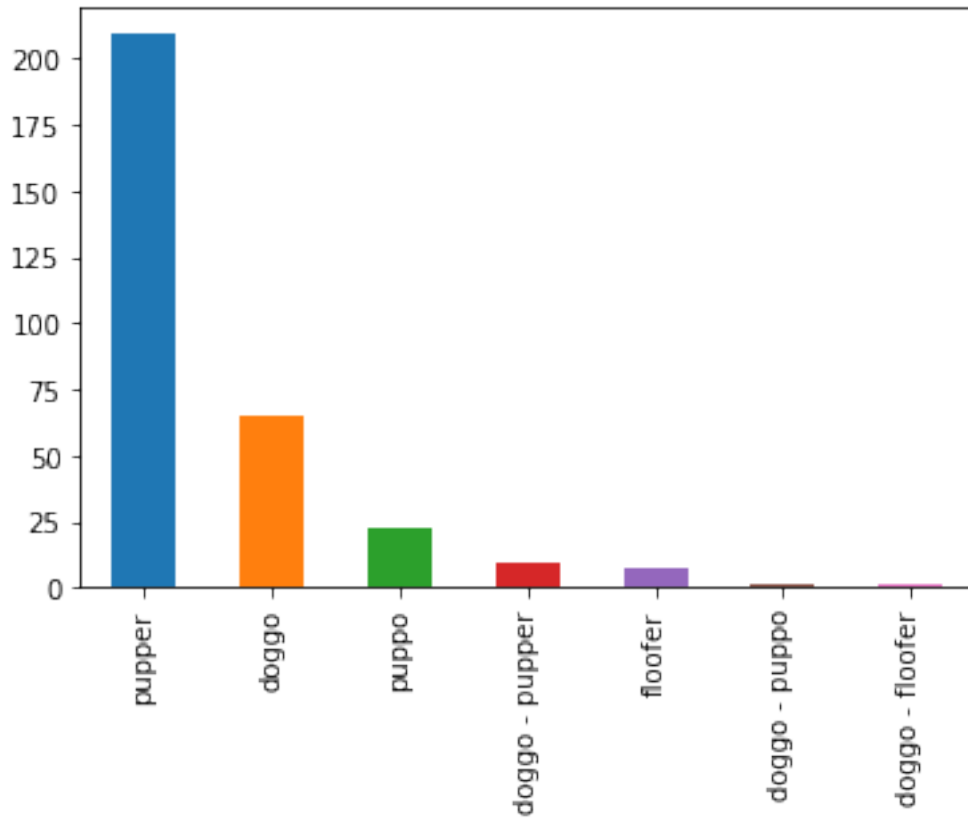
So based on the graphics we can get, it is possible to see that low rated dogs tend to have less retweet amounts and also less favorite amounts. At the same time, the more are the dogs rated, the higher values of retweet count and favorite count start to appear which can not be taken as a proof of honesty from dog owners but at least can give us a feeling that when somebody says that his pet is very good, even 13 or 14 out of 10, it might be true and it might be supported by huge communities of people like tens of thousands!

1.0.2 Extra fact!

Other question that was found interesting during the analysis done to the data is, what is the most abundant type of dog. Is it doggo? or maybe puppo, or pupper? what about floofer? So about this, and considering hundreds of tweets where those words were found in the description of dogs we can take a look to this and see what the data says.

```
In [6]: df['dog_type'].value_counts().plot(kind='bar')
```

```
Out[6]: <matplotlib.axes._subplots.AxesSubplot at 0x7fcf9ba91e10>
```



Looking at the visual, it is quite evident that pupper are the most popular, maybe because of their size, and of course their cuteness!